

## REFERENCES AND REVIEWS

**INCREASED ACTIVITY OF SOME FOLIC ACID ENZYME SYSTEMS IN INFECTIOUS MONONUCLEOSIS**—J. R. Bertino, B. M. Simmons, and D. M. Donohue. *Blood*—Vol. 19:587 (May) 1962.

Glucose 6 phosphate dehydrogenase (G6 PD), and 3 enzymes involved in folic acid metabolism and thus important for cell replication were studied in the leukocytes of patients with infectious mononucleosis. G6 PD activity was less, while the levels of the folic acid enzymes were increased in infectious mononucleosis leukocytes when compared to normal leukocytes. One enzyme, dihydrofolic reductase, present in the infectious mononucleosis cells, has not been found in the leukocytes from normal blood. These findings are similar to the results obtained in acute and chronic myelocytic leukemia, and indicate that the atypical lymphocytes seen in infectious mononucleosis are actively synthesizing DNA and should be considered immature cells or virus-infected cells.

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**DIAGNOSIS AND TREATMENT OF REVERSIBLE HYPERTENSION**—T. Winsor, J. P. Medelman, J. H. Moyer, and G. M. Roth. *Dis. Chest*—Vol. 41:489 (May) 1962.

The diagnosis of pheochromocytoma is discussed. As drugs give only temporary relief, all the authors' patients are treated surgically. Methods to aid the diagnosis of occlusive renal artery disease, including percutaneous femoral arteriograms, translumbar aortography, intravenous aortography, and intravenous pyelography, are reviewed.

The current medical regimen for renal vascular hypertension is presented.

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**HYPERPARATHYROIDISM WITH AVULSION OF THREE MAJOR TENDONS**—F. S. Preston and A. Adicoff. *New Engl. J. Med.*—Vol. 266:968 (May 10) 1962.

Hyperparathyroidism in a 33-year-old man presented with spontaneous avulsion of left triceps and both quadriceps tendons, and masqueraded as atypical arthritis. A parathyroid adenoma was removed and the quadriceps muscle was repaired. Possible direct effects of excess parathyroid extract (Para-thor-mone) on connective tissue are discussed.

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**RECTAL AMINOPHYLLINE**—N. Traverse and M. S. Segal. *Ann. Allergy*—Vol. 20:182 (March) 1962.

A concentrated form of aminophylline (100 mg/cc.) administered by rectum was evaluated in 206 patients with bronchial asthma. Plasma theophylline levels were obtained in 16 patients who received the concentrated aminophylline, and the levels were found to be significantly higher than those of the other routes of administration, with the exception of the intravenous route. The intravenous route showed initially higher levels of theophylline, but after 2 hours the level of aminophylline was higher. The rectal route produced effective clinical results and good patient acceptance.

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**SURGICAL CORRECTION OF TOTAL AND PARTIAL ANOMALOUS PULMONARY VENOUS CONNECTIONS**—P. Zubiare, O. Magidson, and J. H. Kay. *Dis. Chest*—Vol. 41:518 (May) 1962.

Ten cases of anomalous pulmonary venous connection have been operated on and completely corrected without mortality during the last 2½ years. One representative case

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